

Clean Set of Claims

1. (AMENDED) A digital delay line for use in a 3D audio sound system, comprising:

a first delay module providing a choice of delay within a first resolution for use in said 3D audio sound system; and

a second delay module in series with said first delay module, said second delay module providing a choice of a plurality of additional fractional delays, each of said additional fractional delays being less than said first resolution;

wherein said first resolution is added to said additional fractional delays for use in said 3D audio sound system to create a perceived positional sound.

(AMENDED)

7. A method for providing an interaural time delay in a digital 3D sound system, comprising:

selecting one of a plurality of available first time delays having a first resolution between each of said plurality of available first time delays;

additionally selecting one of a plurality of available second time delays, each of said plurality of available second time delays being less than said first resolution; and

adding said selected first time delay and said second time delay to provide a desired interaural time delay for use in said digital 3D sound system to create a perceived positional sound.

(CROSS-REF)

11. Apparatus for providing an interaural time delay in a digital 3D sound system, comprising:

means for selecting one of a plurality of available first time delays having a first resolution between each of said plurality of available first time delays;

means for additionally selecting one of a plurality of available second time delays, each of said plurality of available second time delays being less than said first resolution; and

means for adding said selected first time delay and said second time delay to provide a desired interaural time delay for use in said digital 3D sound system to create a perceived positional sound.

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